

The Development of an Effectiveness Academic Management Model in the 21st Century of Phrapariyattidhamma School, General Education Division

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Abstract

The research has the following objectives: 1) Study the components. 2) Study the current situation, desirable conditions, and needs. 3) Create and develop. 4) Trial and study the result of the model experiment. This research was research and development that was conducted in 4 phases following the research objective. The tools used were questionnaires, interview forms, group conversation records, and assessment forms. Statistics used were percentage, mean and standard deviation, and Required Demand Index. The qualitative data were analyzed by descriptive analysis. The results showed that: I. The components are as follows: 1) Curriculum development, 2) Teaching media, 3) Learning process, 4) Measurement and evaluation, 5) Supervision, 6) Learning resources, 7) Quality assurance system, 8) Research and development, 9) Development and use of innovative media, and 10) academic planning. II. A study of current conditions and desirable conditions, overall, at a moderate level and high level respectively, the 3 needs necessary order are 1) the development of the learning 2) the development of learning materials, and 3) measurement and evaluation respectively. III. The Creation and development of models and manuals with the following components: 1) Model name, 2) Model Principle, 3) Model objectives, 4) How to proceed, 5) Model conditions, 6) Assessment Guidelines, and 7) System and mechanism, overall, it is appropriate, possible, and useful at the highest level. IV. Trial and study resulting from the model experiment of the model and manual for the academic administration model found that: 1) Higher student achievement, 2) Administrators are satisfied, 3) Employees are proud, 4) Parents are satisfied, 5) Materials and equipment are supported by the community, 6) Received support for the education budget from the community and related people, and 7) quality management and standards.

Keywords: academic administration, effectiveness, Phrapariyattidhamma School

1. Introduction

The educational movement around the world is making adjustments to education management. Child and youth development Future education emphasizes motivation, inspiration for lifelong continuous learning, concepts, directions, and educational innovations such as 1) concepts, methodology learning management, and neuroscience teaching methods for children of school age for adults. “The necessary skills for future life” 2) Knowledge necessary for living in the 21st century, such as future studies. Future planning alternative energy. Group STEAM (Science, Technology, Engineering, Art, Maths) Focusing on building learning skills for careers “following learning with practice” to create skills for working for students. 3) Reforming the educational management system. Emphasizing the decentralization of government education to area-based education management. Which better meets the needs of people in each area Educational management therefore needs to be adjusted to be diverse and flexible according to individual conditions, the economy, and society (Chancharat, 2018).

In Thailand, education is an essential factor for national development. Education is one of the tools for human resource development “Educational reform” and Education management of school administrators in modern times. Both in public and private educational institutions. Education management must be in line with the rapidly changing world situation. Both in terms of economy, society, politics, and culture, the 12th National Economic and Social Development Plan. (B.E. 2017-2021) 20-Year National Strategic Plan. (B.E. 2017-2036), aims to develop the country sustainably according to the principles of good governance. Thailand is stable, prosperous, and sustainable. People have a good quality of life—Beliefs, skills, characteristics, and practices of people in this era

and the future. Build people with 21st-century characteristics. And keeping pace with the changes in the digital age and having the immunity to survive in a rapidly changing society. (Office of the Prime Minister, 2017)

The tradition of ordination and the use of the temple as a source of education for the monks later, it was developed into Phrapariyattidhamma school. Students study the world and the Dharma to become good heirs to continue Buddhism. A school located in a temple or a monastery provides education for monks and novices according to the curriculum of the Ministry of Education with Dharma and Pali by the Office of the Buddha national religion subsidizing the budget. According to the criteria set by the Education Committee of Phrapariyattidhamma Schools, General Education Division, these schools do not charge tuition fees. Expenses. It comes from government subsidies and donations, which is often not enough Personnel has little academic experience. It is the main problem of Phrapariyattidhamma School, General Education Division. As a result, learners lack skills that are important for living in society (Phramahasunjorn, 2016).

Based on the results of the basic national educational test (O-NET), the academic year 2019 of the Office of the Phrapariyattidhamma School, General Education Division, we found that: The national average of the main subject is the Thai language Average Score.43.57 English Average score. 26.77 Mathematics Average Score. 20.47 Science average score. 27.42 And social studies. 32.46 Below the national level. (National Institute of Educational Testing Service, 2019) From the problems mentioned above, Phrapariyattidhamma School, General Education Division experiencing problems. With educational achievement from SAR (Self-Assessment Report) Overall academic achievement, it is still not up to the standard as it should be. Therefore, it is necessary to develop a model of academic administration to raise the level of learning management. Per the study in the 21st century, the researcher, therefore, has an idea to research The Development of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division.

2. Research Objectives

- 1) To study the components of an effective academic administration in the 21st century of Phrapariyattidhamma School, General Education Division.
- 2) To study the current situation desirable conditions and needs necessary for the development of an effective academic administration in the 21st century of Phrapariyattidhamma School, General Education Division.
- 3) To create and develop an effective academic administration model in the 21st century of Phrapariyattidhamma School, General Education Division.
- 4) To trial and study the result of the model experiment of an effective academic administration model in the 21st century of Phrapariyattidhamma School, General Education Division.

3. Methodology.

Subject research The Development of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division. The researcher conducted the research by dividing it into 4 phases with details and procedures as follows:

Phase 1: A study of the components of effective academic administration from relevant research documents by synthesizing from a group of academics, namely. Leewat (2015), Therdkiat (2017), Kamonrat (2017), Ministry of Education (2017), Office of Basic Education (2017), Amonrada (2018), Tarisorn (2019), Wiroj (2014), Campbell, Bridges, and Nystrand (1977), Lunenburg (2004), Hoy and Miskel (2005), and Mckinsey (2014) There are 10 components: 1) Curriculum development. 2) Instructional media. 3) Learning process. 4) Evaluation. 5) Supervision. 6) Development of learning resources. 7) Quality assurance system. 8) Research and development. 9) Development and use of innovative media, and 10) Academic planning by 5 experts confirming the composition.

Phase 2: A study of current conditions vs. desirable conditions and necessary needs. A survey study of the population of 408 schools collects data with the sample group of 596 people is consisted of 298 administrators and 298 academic teachers, by using a questionnaire with a 5-level estimation scale and a Multi-case study of 3 schools. The target group was 3 administrators and teachers, and interviews by 7 experts.

Phase 3: A creation and development of an effective academic administration model in the 21st Century of Phrapariyattidhamma School, General Education Division. The study results from phases 1 and 2 were used to draft the manual and format it through focus group discussions of 12 people and then evaluating the manual and the pre-trial model by 9 experts.

Phase 4: A trial and study of the result of the model experiment of An Effective Academic Administration Model in the 21st Century of Phrapariyattidhamma School, General Education Division. Trial Guide and the format of 2 schools, studied the results of using the manual and format and then assessment based on 9 experts. Tools used as

a manual assessment form and the model created by the researcher.

4. Results

Research subject The Development of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division. There are 4 phases of research results as follows:

Phase 1: The results of the study of the components of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division. There are 10 components as follows: 1) Educational curriculum development, 2) Development of learning materials, 3) Development of learning process, 4) Measurement and Evaluation, 5) Education supervision, 6) Development of learning resources, 7) Development of a quality assurance system inside the school, 8) Research and development, 9) Development and use of media, innovation, and technology for education to promote independent learning, and 10) Academic planning, and teaching plans. The results of the study of the model composition get elements of an Effective Academic Administrative Model in the 21st Century. There are 7 components: 1) Model name, 2) Model Principle, 3) Model objectives, 4) How to proceed, 5) Model conditions, 6) Assessment Guidelines, and 7) System and mechanism, result of assessment, and appropriate possibility and helpfulness by expert. Overall, it was at the highest level.

Phase 2: Results of study current condition, desirable condition, and need necessary of academic administrative in the 21st Century of Phrapariyattidhamma School, General Education Division.

Table 1. The mean standard deviation of the current condition desirable condition and need necessary, academic administrative the 21st century of Phrapariyattidhamma school, general education division

The Development of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division	Current condition.			Desirable condition			Need Necessary (PNI)	
	\bar{x}	S.D.	Interpret	\bar{x}	S.D.	Interpret	PNIModified	No.
1. Educational curriculum development.	3.43	0.87	Moderate	3.87	0.98	High	0.13	8
2. Development of learning materials.	3.25	0.72	Moderate	4.38	0.77	High	0.35	2
3. Development learning process.	3.20	0.73	Moderate	4.36	0.70	High	0.36	1
4. Measurement and Evaluation.	3.24	0.85	Moderate	3.92	0.86	High	0.21	3
5. Education supervision.	3.46	0.88	Moderate	3.98	0.80	High	0.15	7
6. Development of learning resources.	3.49	1.09	Moderate	3.91	0.81	High	0.12	9
7. Development of a quality assurance system inside the school.	3.56	0.79	High	4.19	0.78	High	0.18	5
8. Research and development.	3.59	0.70	High	4.18	0.78	High	0.16	6
9. Development and use of media, innovation, and technology for education to promote independent learning.	3.63	0.63	High	4.37	0.69	High	0.20	4
10. Academic planning, teaching plans.	3.43	1.09	Moderate	3.80	0.91	High	0.11	10
Overall	3.43	0.84	Moderate	4.10	0.81	High	0.20	

Table 1 found that: The overall current condition is at a moderate level (\bar{x} =3.43, S.D. = 0.84). The overall desirable condition is at a high level (\bar{x} =4.10, S.D. = 0.81). No. 1 need is the development of the learning process, No. 2 Development of learning materials, and No. 3 Measurement and Evaluation.

Phase 3: Result Creation and Development of the Model of an Effective Academic Administrative in the 21st Century of Phrapariyattidhamma School, General Education Division. Found that: there were 7 components as follows: 1) Model name: The Development of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division, 2) Model Principle: (a) Model effectiveness and effectiveness in academic administration, (b) Model is appropriate, (c) The model is feasible and useful, 3) Model Purpose: (a) There was a development of an academic management model, (b) Have a form of academic administration, (c) To apply the pattern in academic administration, 4) How to proceed, 5) Model conditions, 6) Assessment Guidelines, and 7) System and mechanism. Components 4,5,6,7 details are shown in Table 2.

Table 2. How to proceed by element an effective academic administration in the 21st century Phrapariyattidhamma school, general education division

How to proceed	Conditions for applying the model	Assessment Guidelines	System and mechanism
1) Development learning process.	3	9	9
2) Development of learning materials.	3	9	9
3) Measurement and Evaluation.	3	9	9
4) Development of a quality assurance system inside the school.	3	9	9
5) Research and development.	3	8	9
6) Education supervision.	3	8	9
7) Educational curriculum development.	3	8	9
8) Development of learning resources.	3	9	9
9) Academic planning, teaching plans.	3	8	9
10) Development and use of media, innovation, and technology for education to promote independent learning.	3	9	9
Overall	30	86	90

Phase 4: Results Trial and study the result of the model experiment of an effective academic administration in the 21st century of Phrapariyattidhamma School, general education division. It is shown in Table 3.

Table 3. The results of the model experiment effective academic administrative in the 21st century of Phrapariyattidhamma school, general education division

The condition after the experimental model of academic administration with Effectiveness in the 21st Century of Phrapariyattidhamma School	Before use		After use		Level practice.	Development (percentage)	Level of development
	\bar{x}	S.D.	\bar{x}	S.D.			
1) Development learning process.	1.89	0.61	4.55	0.61	The most	85.53	Very high
2) Development of learning materials.	1.96	0.63	4.66	0.50	The most	88.82	Very high
3) Measurement and Evaluation.	2.01	0.55	4.63	0.50	The most	87.63	Very high
4) Development of a quality assurance system inside the school.	1.90	0.59	4.63	0.50	The most	88.06	Very high
5) Research and development.	1.91	0.51	4.62	0.50	The most	87.70	Very high
6) Education supervision.	1.93	0.53	4.66	0.52	The most	88.93	Very high
7) Educational curriculum development.	2.08	0.70	4.55	0.52	The most	84.59	Very high
8) Development of learning resources.	2.13	0.58	4.64	0.51	The most	87.46	Very high
9) Academic planning, teaching plans.	2.14	0.61	4.70	0.48	The most	89.51	Very high
10) Development and use of media, innovation, and technology for education to promote independent learning.	2.09	0.55	4.58	0.51	The most	85.57	Very high
Overall	2.00	0.59	4.62	0.52	The most	87.33	Very high

Table 3 found that: School practice in experimenting with the effective academic administration model. Overall, it was at the most level ($\bar{x} = 4.62$, S.D. = 0.52). Relative development scores found that an increasing percentage of 87.33 is considered to have developed at a very high level. The most developed aspect is area 5 research and development.

Table 4. Result of model certification assessment effective academic administrative in the 21st century of Phrapariyattidhamma school, general education division (N=9)

Specification	Appropriate			Possibility			Helpfulness		
	\bar{x}	S.D.	Interpret	\bar{x}	S.D.	Interpret	\bar{x}	S.D.	Interpret
1. Model name.	5.00	0.00	The most.	5.00	0.00	The most.	5.00	0.00.	The most
2. Model Principle.	4.67	0.50	The most.	4.89	0.33	The most.	4.78	0.44	The most
3. Model Purpose.	4.61	0.25	The most.	4.65	0.31	The most.	4.71	0.14	The most
4. How to proceed.	4.67	0.50	The most.	4.78	0.44	The most.	4.89	0.33	The most
5. Conditions for applying the model.	4.78	0.24	The most.	4.81	0.18	The most.	4.84	0.34	The most
6. Assessment Guidelines.	4.79	0.26	The most.	4.78	0.24	The most.	4.81	0.24	The most
7. System and mechanism.	4.81	0.34	The most.	4.93	0.22	The most.	4.84	0.24	The most
Overall	4.79	0.28	The most.	4.84	0.21	The most.	4.83	0.27	The most

Table 4 found that: Model of an Effective Academic Administration in the 21st Century of Phrapariyattidhamma School, General Education Division. Overall, it's appropriate. It has a possibility and is useful at the most level.

5. Discussion

The research has an objective: 1) Study the components. 2) Study the current situation desirable conditions and necessary needs. 3) Create and develop. 4) Trial and Certification Assessment An Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division. The researcher discusses the findings according to the research objectives as follows:

Composition of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division. Contains 10 compositions 1) Educational curriculum development. 2) Development of learning materials. 3) Development learning process. 4) Measurement and Evaluation. 5) Education supervision. 6) Development of learning resources. 7) Development of a quality assurance system inside the school. 8) Research and development. 9) Development and use of media, innovation, and technology for education to promote independent learning. 10) Academic planning, and teaching plans. The results of the study of the model composition. 7 components: 1) Model name, 2) Model Principle, 3) Model objectives, 4) How to proceed, 5) Model conditions, 6) Assessment Guidelines, and 7) System and mechanism. Due to components in academic administration are essential. Because it determines the quality of educational management of educational institutions. Set standards for education management. Differences in the context of educational institutes must find a model. Appropriate procedures used in academic administration are consistent with Amonrada (2018) study on the model of academic administration leading to excellence in schools under local government organizations. The study found that the model of academic administration leads to excellence in schools under local government organizations. There are 4 main components 1) Academic leadership Contains teaching organization. Determination of directions, policies, goals, and guidelines for education management. Development of work systems, characteristics of school leadership 2) Mission and scope of academic work in school Contain. Educational curriculum development. Development learning process. Development of learning resources. Development of media innovation and technology for education. Education supervision. Research to improve the quality of education. Development of a quality assurance system inside the school. Guidance education. Assessment evaluation and transfer of academic results 3) Academic administration process Contains. Academic Administration Guidelines Implementation of academic plans. Examination evaluation of academic works. Assessment results to improve academic work. 4) Participation in academic administration contains. Participation of stakeholders in educational management. Promoting academic knowledge to stakeholders.

Study Current condition Desirable condition and Need Necessary. In the Development of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division. Found :

The overall current condition is at a moderate level. When sorting from highest to lowest the first aspect is the development and use of media, innovation, and technology for education to promote independent learning. Followed by the research and development, of a quality assurance system inside the school. The least valuable is the development learning process. Due to Phrapariyattidhamma School, General Education Division. Is education management to provide education to the children of the poor and underprivileged in education? It is a free education. Thus focusing on the development of the learning process. To encourage students to love learning through the available teaching materials. And because of the lack of teachers that match the subject group. Therefore, the quality of education at Phrapariyattidhamma School is not as good as it should be. Corresponds to Phra MahaSanjon Radasai (2016) Said that Phra Pariyattithamma School is an education management to educate

children of the poor and underprivileged in education. It is a free education. A temple that can handle battles must be able to mobilize cooperation from various sectors and have the personnel to operate. Expenses come from government subsidies and donations. Which is often insufficient. School management provides efficiency. Personnel has little academic experience. Lack of experience is Phrapariyattidhamma School's main problem. As a result, the learners lack crucial skills in social life.

Desirable condition found that: The overall desirable condition is at a high level. When Considering each side from the highest to the smallest, the priority is the development of learning materials. Followed by the development and use of innovative media and technology for education to promote independent learning. And learning process development. The least valuable aspect is academic planning and teaching plans. Due to Phrapariyattidhamma School, General Education Division. There is a problem with inadequate budgets and personnel with inadequate academic experience. In line with the research of Tasporn Poomsida (2016) Research on the presentation of a small school management strategy to improve the quality of education. The research results found that: The overall desirable condition was at the highest level. In line with the research of Narissara Boonsa-at (2020) conduct a study of 21st Century Skills that Affect Leadership Academic studies of school administrators under the Samut Sakhon Primary Educational Service Area Office. The study found that: 21st Century Skills of School Administrators Under the Office of Samut Sakhon Primary Educational Service Area. Overall and on each side, it was at the highest level. Sorted from most to least, as follows: Curiosity, Imagination, Creativity and Innovation Skills, Cross-Cultural Learning and Global Interest Skills, Critical Thinking Skills, Problem-Solving computer skills and technology literacy communication, collaboration skills, and business thinking skills. Corresponds to Alismail & McGuire (2015) Concluded that: Preparation for future youth needed skills and learning for students by giving creativity and using technology to connect current knowledge with the truth. Experience works to integrate media in the classroom and develop academic and social skills, communication sharing of information organization of ideas and comments specialization in core subjects should be emphasized. And the development of skills in the 21st century, including problem-solving skills critical thinking Cooperative learning, and using digital media in teaching.

Need Necessary of the Development of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division. Found that: There is a first need. Development learning process. Development of learning materials. Measurement and Evaluation. Development and use of media, innovation, and technology for education to promote independent learning. Development of a quality assurance system inside the school. Research and development Education supervision. Educational curriculum development. And academic planning, and teaching plans. Because Phrapariyattidhamma School budget shortage, there is a lack of teaching materials necessary for student development. The Development of learning materials will make students want to learn and learn faster. Conflict with Naruemon Rat-on and Arkom Ungpuang (2021) Research on the need for the academic development of schools to expand educational opportunities. Under the Office of Khon Kaen Primary Education Service Area 5. Found that: Listed in order of importance as follows: 1) Research to improve the quality of education in educational institutions. 2) Teaching and learning management in educational institutions. 3) educational supervision. 4) Curriculum development in educational institutions. 5) development and use of educational media and technology, and 6) evaluation, evaluation, and transfer of learning results.

Creation and development of the model found that the model composition contains 7 components: 1) Model Name, 2) 3 model principles, 3) 3 model purposes, 4) How to proceed with 10 composition, 5) 30 conditions model application, 6) 86 Assessment Guidelines, 7) 90 System and Mechanisms. Model composition academic administration of Phrapariyattidhamma School. Must adhere to the Ministry of Education standards and comply with the Dharma and Pali curriculum of the Sangha and school context. Therefore, there are many components. Conflict with Prasit Khewsri (2001) Research on the presentation of leadership development models of school administrators using school-based administration. Define the 8 elements of the developed style, namely. 1) Model basic principles. 2) Model Purpose. 3) How to Develop Leadership Attributes. 4) Implementation of development. 5) Evaluation of post-development. 6) Actual work and operational research. 7) Presentation of research results. 8) Follow-up evaluation. Consistent with Parichart Chomchuen's (2012) Research model academic administration Effective Community Participation Model in educational institutions under the Office of Primary Educational Service Area. The research results showed that: 1) Current conditions, problems, and needs consist of 7 components, namely: Curriculum development and applying the curriculum to develop the learning process. Development, media, innovation, and educational technology. Planning and development of academic promotion. Development of learning resources. Internal supervision. Measurement and evaluation. 2) An academic management effective community participation model consists of 6 steps: Principles, aims, people, mechanisms, implementation, evaluation, and success conditions. There are 7 main components and 63 sub-elements and

participants 8 main components and 57 sub-components. 3) Applying real conditions to the model, it was found that: The operation has 4 steps: Planning, executing, observing, and reflecting 2 cycles got an effective model. 4) Presentation and use of the community participatory academic administration model found to be a possibility. And the overall usefulness is at the highest level. Corresponds to Fuller (1991) Give feedback in managing local education to that excellence. The important point is not only in terms of budget readiness. But there are more important factors to show education management must be diverse. It's an integrated model. Emphasis is on consistency with the context and needs of the local people. Conflict with Sarah, Jolian, Robert & Karl (2011) Giving views about working in the organization. The scope of work is specific to the roles and duties that will lead to management efficiency.

Trial and study the resulting experiment and propose the result of the model experiment of an Effective Academic Administrative Model found that: School practice conditions, target groups after the academic administration model trial. Overall, it was at the highest level. In descending order, the first is the 5 researches and development followed by the 2 teaching media. The aspect with the least value is aspect 7, curriculum development of educational institutes. To ensure the quality of education at Phrapariyattidhamma School is comparable to the education management of the public and private sectors. Therefore have an interest in research and development to develop the student learning process to have more quality. Corresponds to the Office of the Basic Education Commission (2009) Provide guidelines about research to improve the quality of education in educational institutions as follows: 1) Study and raise awareness about research studies and the use of research results in the management and quality development of learning management of educational institutions.2) Study, analyze, and research to improve learning quality. 3) Research to develop learning and use it as a guideline to solve the learning quality problems of learners. 4) Study information and research results to develop a learning management process and student quality. 5) Create a network in education, analysis, and research of learning management processes within and between schools. Educational and central areas. 6) Evaluation research to develop learning management innovation of educational institutions. The research is summarized as shown in Figure 1.

Knowledge from Research can be summarized as a picture sheet as shown in Figure 1.

**Academic administration model productive in the 21st century of
Phrapariyattamma School General Education Division**

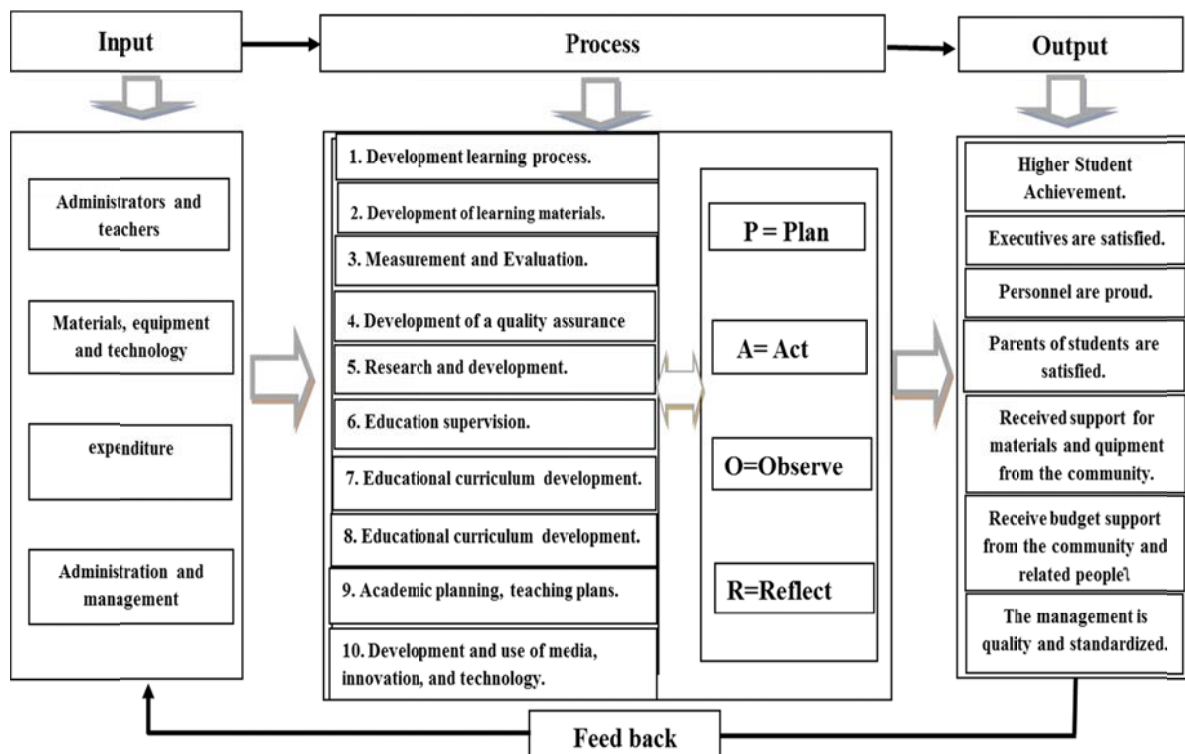


Figure 1. Model knowledge body, effective academic administration model in the 21st century

The conclusion is that: The Development of an Effective Academic Administrative Model in the 21st Century of Phrapariyattidhamma School, General Education Division. To manage academic work effectively, action according to all 10 compositions of academic administration is required. And the 7 model compositions: The administrators support personnel, teachers, budgets, materials, equipment, and technologies related to education management and have management. Through the action research process PAOR.

6. Suggestion

6.1 Suggestions Derived from Research Results

- 1) Development learning process. Jointly formulate a policy in the provision and development of learning materials. Support teachers and staff exchange learning inside and outside the school. Study tours to develop learning management processes and create new knowledge. And jointly plan to develop learning materials and educational technology.
- 2) Development of learning materials. Support and encourage teachers to develop teaching materials to be up-to-date. Encourage teachers to organize learning activities in line with the interests and aptitudes of the students. And jointly develop educational media and technology to meet the curriculum standards.
- 3) Measurement and Evaluation. The evaluation and evaluation of teachers are consistent with indicators and educational standards. Prepare regulations, guidelines, and evaluation manuals, and evaluate school educational results. And encourage teachers to prepare assessment and evaluation plans per educational indicator standards.

6.2 Suggestions for Further Research

- 1) There should be research on academic leadership as a factor affecting academic administration in Phrapariyattidhamma School General Education Division.
- 2) There should be research on the needs necessary for the development of academic administration in Phrapariyattidhamma Schools General Education Division. In the area of problems in academic administration.

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